

Clayton Local Board of Health.

Annual Report

OF THE

Medical Officer,

A. E. TUNSTALL, L.R.C.P., & L.R.C.S. ED.,
MEDICAL OFFICER OF HEALTH,

→ FOR THE YEAR 1893. 🌤

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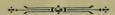
FOR THE YEAR 1893. **

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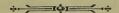
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ANNUAL REPORT OF THE MEDICAL OFFICER.



To the Clayton Local Board of Health.

Mr. CHAIRMAN AND GENTLEMEN,

I have much pleasure in presenting for your consideration, my Annual Report for the year ending 31st December, 1893. The year has not been marked by any severe epidemic of disease in your District; neither has there been any great Sanitary reform accomplished, but much useful work has been done which I hope will prove to be of great benefit to the Sanitation of the District.

POPULATION IN 1893.

I will first proceed to give you particulars of Satistics of Births and Deaths, and in order to make these fairly accurate, it is necessary to estimate the population to the middle of the year 1893. In the Spring of 1891, when the last Census was taken, the population of the Clayton Local Board District was 4707; and estimating by the rate of increase from the Census of 1881, to that of 1891, we shall have in the middle of 1893 a population of about 4800, this I think we may take as a fairly accurate estimate.

BIRTH RATE.

The Births registered as shown in Table B., were 122, but 10 of these were in the Workhouse, leaving 112 in the District, of which 59 were males, and 53 females,; giving a Birth-rate equal to 23·3 per 1000, as against 23·5 in 1892. Of the 10 births in the Workhouse, 7 were males, and 3 females. Of the total 122 births, 11 were illegitimate, namely, 7 males, and 4 females.

DEATH RATE.

The Deaths registered during the year were 142 in number, of which 62 occured in the Workhouse, leaving 80 for the District-Of these 38 were males, and 42 females, giving a Death-rate equal to 16.6 per 1000, against 15.3 in the year 1892. Of the 62 deaths in the Workhouse, 44 were males and 18 females.

Deaths at Various Ages.—As will be seen in Table A; of these, 80 deaths in your District, they occurred at the following ages:—

Under 1	year of	age	13
From 1 to	5 ,,		9
,, 5 1	5 ,	,	3
,, 15 2	5 ,	,	5
,, 25 6	5 ,	,	35
Over 65	,	,	15

 $\ensuremath{\mathrm{D}_{\mathrm{EATHS}}}$ from various causes :—The causes of Death were as follows :—

rom	Scarlatina	1
,,	Whooping Cough	2
,,	Diarrhœa	4
,,	Rheumatic Fever	1
,,	Phthisis	7
,,	Bronchitis, Pneumonia, &c.	13
,,	Heart Disease	4
,,	Injuries	3
,,	Other Causes	45

Infant Mortality.—The rates of Infant, Zymotic, and other mortalities were therefore as follows:—Infant mortality, that is deaths of Children under One year of age, was equal to 116 per 1000 births, being the same as in 1892.

ZYMOTIC DEATH RATE.—The Death Rate from the principal Zymotic Diseases was equal to 1.4 per 1000 of population. In 1892 it was 1.3.

Phthisis Death Rate was equal to 1.4 per 1000 of population. In 1892 it was 2.1.

RESPIRATORY DEATH RATE.—The Respiratory Death Rate was equal to 2.7 per 1000 of population, as against 2.9 in 1892.

INFECTIOUS DISEASES.

The number of cases of Infectious Diseases notified to me under the Infectious Diseases Notification Act, was 29. These were mostly composed of Scarlet Fever, of which there were 21.

SCARLET FEVER.—I may here remark that Scarlet Fever has existed in the District, with only short intermission, for the greater part of the past two years, for whereas in 1891, there was not a single case notified to me, from the 31st of May, 1892, I had cases notified regularly up to December the 18th, 1892. Then there were no more cases until March the 2nd, 1893, when again I had them regularly every month up to August 5th; for the remainder of the year there was only one case notified, and that was in November. There were most cases notified, viz :- 9 in March, the first month of the epidemic. During this same period, Scarlet Fever had been very prevalent in Bradford, and the surrounding districts, so that it would have been strange had we missed it. As I have before remarked, I have no doubt that many cases go unnotified, the disease existing in such a mild form, that parents do not always deem it necessary to call in Medical assistance.

SMALL Pox.—There were also 4 cases of Small Pox notified. Three of these occurring in February, were inmates of the Workhouse, and were isolated and treated there. The other case was in December, and I had him immediately conveyed to the Hospital at Thornton, where he recovered, and was discharged after 25 days isolation. I had his house thoroughly fumigated, and all bedding and clothing taken to the Hospital and disinfected in the Steam Disinfector there. His was a mild attack, and no other cases occured in his family, or in the neighbourhood. As he had been for some time working in Bradford, in a district where there had been many cases, I have no doubt he contracted the disease there.

Typhoid Fever.—Erysipelas.—There was also one case of Typhoid Fever in September, and three cases of Erysipelas.

Diarrhea of a severe nature, but in that month only one case proved fatal, that was a man aged 56, who was severely ill for only a few hours before death. And as at that time the Cholera scare existed, and this case was decidedly suspicious, I had the house fumigated, much of the soiled bedding destroyed, and his clothing, other bedding and carpets sent to the Hospital, and disinfected.

INFLUENZA.—Influenza occurred about the end of November, and in the early part of December, during which period there were many acute attacks, but it soon disappeared again. There were only two deaths recorded from it, accompanied with Pneumonia.

SANITARY WORK.

Sewerage.—To pass on to Sanitary Work accomplished, as will be seen by refering to Table C., 120 yards of Culvert Sewer were made; this is in Clayton Lane where the old inefficient drain was taken up and a well-built Culvert Sewer laid in its place. Excepting for a few yards yet remaining to be done down this lane,

there is now a Main Sewer through this, the greater part of Clayton, sufficient to receive all the sewage from this part of the District. There are two parts of the District of which the sewerage is very bad, and for which, owing to different elevations, this sewer is of no use. refer to Clayton Heights, and the Pasture Lane District. The latter District, which is growing rapidly, and in which the houses are of a good class, and of recent date, and which is very popular as a residential district, has very bad sewerage, and to make matters worse, this empties into a stream only a few yards below the houses. This will have to be remedied very soon, as the houses are rapidly extending towards this very stream. It will be a difficult and costly undertaking, as the sewer will have to pass under the Railway, but owing to the formation of the ground here, this is the only outlet that I can see to be possible.

Sewage Disposal.—Then some plan of Sewage Disposal will have to be undertaken, for the Clayton Lane Main Sewer simply empties into a disused quarry, and from there, the sewage will permeate to, I know not where. Your Board are, I understand, considering an arrangement by which the Bradford Corporation will take the sewage, and as that is the only outlet for it, it will, I think, be better and cheaper than erecting sewage works of your own. Clayton Heights could then also be easily and inexpensively connected with the sewerage at Horton Bank Top.

Scavenging.—You have now had a full year's experience of the cleansing of the Ashpits by the Sanitary Staff, and I am able to give you figures showing the advantage and economy of this over the old style of letting it by contract. There is a total number of 464 Ashpits in the District, and during the year, Ashpits have been emptied 810 times; 960 loads having been taken away, at an estimated cost of £60. Under the contract system, you used to pay £95 per

year, and the yearly average number of loads removed was 730. These figures show well the greater efficiency and diminished expenditure of the new system. Formerly I had frequently to complain of the contractors not doing their work; now I am pleased to say there is a great improvement in the condition of the Ashpits. Your Inspector deserves great praise for the way he has looked after this, as well as all his other duties; and I am much indebted to him for the careful manner in which he has fumigated houses, and applied disinfectants, as well as enquiring into all nuisances, and his ready and efficient help to me at all times.

WATER SUPPLY-NUISANCES, &c.

Table C. also shows you many other works done, such as an extension of water supply, connecting house drains with main sewer, trapping and disconnecting of sinks, of which 29 have been done; and of 29 nuisances reported during the year, 28 were abated.

SLAUGHTER HOUSES. — I have frequently inspected the 3 Slaughter Houses in the District, and I am pleased to say that they have been kept in a more satisfactory condition since the prosecution of the occupant of one of them two years ago.

I append Tables A. B. and C. duly filled up.

I have the honour to be, Gentlemen,

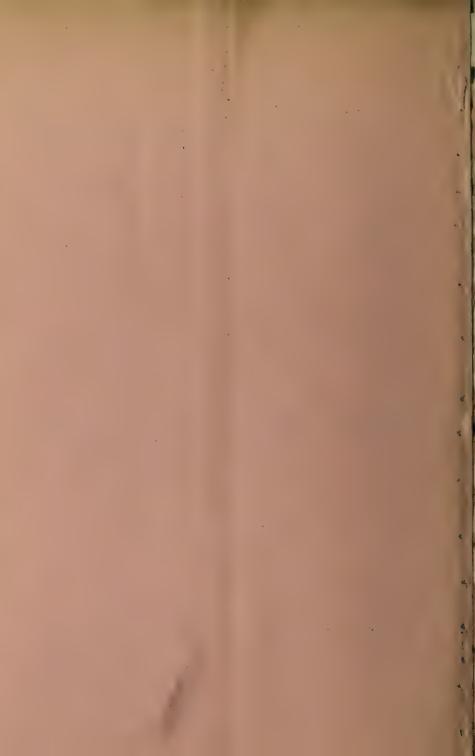
Your obedient servant,

A. E. TUNSTALL,

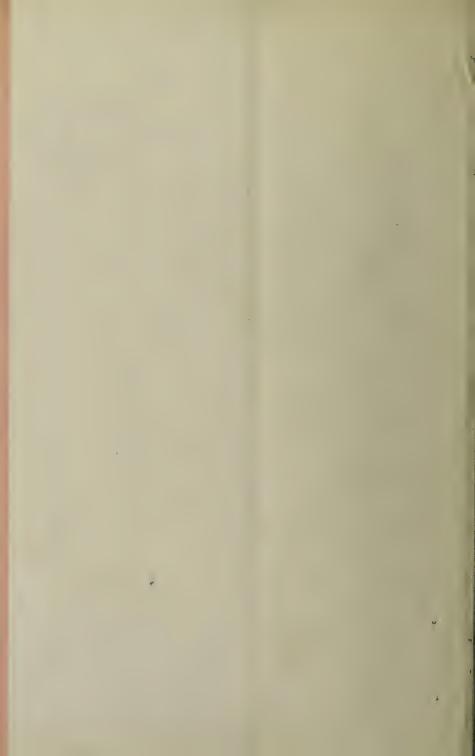
L.R.C.P., & L.R.C.S., ED.,

Medical Officer of Health.





122 Cottian Brow, Bris W. February 13 to, 1294, The Librarian, British Medical Usareial Will TO 429 Strand, Lundon, W.C. I send, as requested, copy of my inme lupe it for 1893, allings Jum Convinced it is not youth the sending as it had to be written under many difficulties, and Continuous interruption. I would fair have newsed and improved the text, but find the work inpossible. Such as it is I far would it with sours in its abounding inferfections. Dear fi, I mes very mity George Wilom. - He diene i Bicer of bealth little Cultin Rural Sunday is it is the County of Tomerset



Annual Report is the Medical ity is "A she alt 1sthe Clark in lun al Saintery & is built, for the gene and at Secondar 31th, 1893, Gentleman, The following are the malacials of this account report. \$1. Population.

The Formalating this facility & is that may be suffered to the Ala bring, North the Mobiliation was at the sensor, it, may be taken to set the same now. This is estimated at 16 425 recomes, What the relative howportions of the sexes may be, it is not enough ascertain.

\$2. Vital of tatisties.

During the jear 1893 there were registered a little of 515th into; of which 254 were males and 26 (were females. This pries are annual rate 331.354 her 1000 of Pormulation throughout the Destreet & buring the down period, thee were registered altely 275 beats, while fines are anmuch rate of 16: 742 per 1000 of Porulation throughout the entire Distrist. These are the several rates. If now, we substimide these who are-Cording 15the several registrate subdistrails we shall; ain a closes insight into the relative contribution of such sub-district these rules There we from registration subolistate of his warmed respectively, the Harptice, Cher Magna, Clutter, and Midsomer Norton. These districts differ widely in area and the character of its Pomleti. We will begin with the Harplice sub- listrict. This Contains cypt Parishes and me hamber with a Population of 269 4 persons, entirely grien to agriculture. This sub-district registered at Red of 67 Kutto and 55 Sentts, giving an ansmal ante of 24.83 per 1000 of the Repulation of this sub district for the former, and of 20: 416 per 1000 per annum on trataiter. Lung discusses constitutette chief in gradient in the mortality, 19 of the Istal deaths. being the tolkis source, amounting to nearly one third other Ne. In-" They a, as such, occasined too deaths. The excidence constitutions My topen was essentially that of Influence; so here is they surprising in coming upon beaths from Influence. The death was one to thildbirt te infant dyry us well : I none Pourt - Carneley - Sculd bever rojed as an eficience; otterwise there was an entire alrence of clin lase of an infections character. The Walnumber (55) of deaths, 10 occurred in children under 5 years of age, and 22 of persons over 65 Jeans of age and informator - the farmer heing less than one - that the lotal flocal) mortatit, and the latter rather more them two theres of the while. Sp the Stat deutts in this substitute 29 were males and 2 & were bemales.

The west registration subdistrict is that of thew layers; this consists of saul. Parishes covering an are a of 12795 acres and containing of Imenting of 3661 persons. This, also, is cose-tially an agricultural district; but a from tion of the large Parish of Chers Mugna Called & ishoh Sutton Contains one Colliery, and the P. Walatin of This hamlet are Colliers. During the year, the number of butts registered in this dub-district 99, and to sent 60. The former grees an annucle of 27.04 her 1000 persone in this subdin but, and the latter the annual rate of 16.39 her 1000. Here we see a Considerable advance inte birth rate above het Me preceding subdistrict in the personaling 2 7.04 to 24.83. This being undon both dare With small colling invalationsisting in by what alter a part if the Facisher "hers Mayner. We she Il see proof later in of the same ander. of this will g 60 dectes, Il were of children in der 5 years of use, and 20 gher Ams 65 years old and infrareds: in other words the former Contractable nearly one-swith of to the (Rocal) dealts, and the latter we-third In to Par ist of thew Magna itself, the village broker, I phtheun vecaninel for deaths, and what is called "Membraums Largneritis", one. In threnge, with it Sequeloe, cancel se acon doubtes: Childbirth low. The Pourit of Button, one of the cars to twents of this sub-district, with a Population of nearly 500 her sins had but two deaths during the wholesear - both these being due to Siphthesis which was unhapping imported intit by how boys who can ried newspapers for dale, and who introduced it into their own barnelies No mer house a familhed a sinche case. Is ut for this accident, there would not have been a since lett it is Sule bank . In den to were due to Injunes. North bankbild had no death, and Norton Melreword only one. Scarlatina constatte prevalent at Stanton Brew whit accasined me death. Cecute Rheumation Caused 2 deather The remaining Courses of Beath require no particular enumer at it The next registrate a sub-district is Clutton. This Contains to Parishes
of the word number of grates intro were 36 Malos and 24 70 males.
With Covering area of 75-8 4 acres, and contains a Phulaling 6610 perond. In this dub district is saturate the Union Workhouse of a small Cottage Dopitel for Cases of accidents. There are 5 collieres locatedi this district, two being situate at Paultin, two at Temoberry, me at to the tableta Clubton. The se Colieries give employment to, her haps, one

half of the mule population withing out - chis wiet. We have accordingly a mired h molation of agriculturato much the fewers, Colliers, much the largest, and factory hands while work it a book and ohre factory situate just Paulton. Paulton, aconstituent of this out a district with the Iruallest acrege (1060) has he largest P Mulutin (2301), and contains inthints bound day a small (Mage Gorpetel, a large Factory, and two cord nines, The lotel number of Births registere I during the ear was 232, and the Tel number of Doubts 114. These give a rate of 33. 43 her 1000 her among of the Population, for the former, and of 17.24 per 1000 per among by the Culter; being them, we St-Lerae a considerable vise in the Britherate, us doubt due the large increase of the esthicy clament. Of the Still local deaths, 32 occurred includes under 5 years of age, and 47 of Lerons were 65 years and upwards; in Men words more than one half ofte total deaths occurred at the how extremes of life. We also note for the first time the enormous increase of infantine deaths, whereas we absence a corresponding decrease of deaths able of parte lare of life; in Other words more infants died during tellar inthis sub-district and bewer Aid persons, than in the two preceding sub-districts . again ine would exped- several dealts due to Irjunes, as work in Collienes is always more or less allended with danger; as a malter of fact we had but one, and this mor due to Colliery agency. Scarlet fever raged as an epidemie in Chilton, Paulton, and Junes bury, accordingly, we find so dealts due to This peace, to ightheria caused three deaths, Languejournes strictulus one, Influerya und its Jegneloe 10, childbiert 2 - With were attentitable to I flue y a Complicated with Premovine. Enteriete ver caused medeath. The Work house sustained 18 cleaths, the Cottage Hospital two. The remaining causes of Death weed no fulter remarks. We the Walf deaths 55 were those of moles and I 9 home of bemales. The fruit and last registration subdistrict is Midowner - Norton . This In contains 5180 acres and antonio 346 o persons. They brould in have is very imegnally distributed, for whereas the agricultural portion mumbers some 1000 persons, the remainder (2460) is made up by the Wheir, I then, the view of the Connection between a high-rate and the Character of the population be correct, me ongs in this sub-clustered in which the colliery clement largely

in the proportion of 2.5:1, hre/underates to see a proof of this: neared in My we see anondon se is this respect. performing 2: 5: 4. There were registered during theyear 117 with and 46 neather thus giving an annual rate of 33.81 per 1000 of population fortholorena, and . 1 43.26 per 1000 for telalter. Lace me see the highest personal with - rate in a district chief & confrosed of & Stie us, Chatter coming nest, also, large & a Evilien in the two equicultance toub distant coming homest. Uf the leb deaths registered, 8 were under 5 yours fige, 7 over 6 5 georsif yeard when to. I wo death, were the tod coulatina - Scarlet beaco had been some that prevalent in the Pourish of Camerton; two deaths were due to Enleve pour, one to fastin. tis, me to Courte La you itis, form to Infloring a and its dequele. Iwo were clan to dynnies - loth colliery. The death was due to I carrhoea - the only death fun this cause thought to entire sanitagetis triet for to whole; your, knowing now five a short summary of the vital statisties for lack of the four registration sub-districts in succession, we shall nest from logother the principal backs for the suline district, by way of recapitatalin. We have seen that the total Population of the outie district was 16 4 25; that the total number of busting was 515, and the total number of Beaths repistered was 275. The former gives an annual rate of 31.354 per 1000 of While tim for the whole district and the latter me of 16.742 per 1000 per amount. The with one The sents in the projection (nearly) of 2: 1. Thornwhord falible under 5 geors gage while diedduring the gear word 5 a nather more Them for (4.23) Atte Stal Seatts. Infants in seconegan add Til died were 39 were 1/2 the Utal deaths. as the number of bitts was 5 15 and the rumber of deaths under one year was 39, it [Moras Went a little over 1/13 (-13.2) Who total number born during here of but. The number of heromo one a 65 genes of age who died was 162 and somewhat here thank (2.7/ of the total deaths. Of the Istal number of deaths 146 were males, and anyon 129, were females. Ofthe Stal number of buths 25 6 were males and 26 I were females. Considering that the bemelepolulation is in excess, here perporting are about equal. As the causes of death hattle weed bedaid. Scorlations occasioned the deaths or, nearly 1/20 of the total man talit, Diphtrain Courses of deaths, him Mhase being at Chew Magna, how at Paultin, two at Publow, ware at thigh hittleton. all the comples were in tedame house and family respectivel; this mulatit is full the whole .

Enleraferer canad twee deaths Museungin and history is unknown. one vecured at Four brings, we at Comenta, and onect Farring today . It is rather penakable, in this commection, but therewas a case of astrational to the fire, one of cicute sulentis at Fuerington, and also one intendjouring turish of Stone Tustin, as thoughtween were in action That the Money of confie character to propries allied diseries, It may also be noted that Scarlet fever seems to have dorse le as the connecting like between Engoineles on the as had a Softheir withe Ther. althoup no death was close tryinfeles, jet a large number of cases of this specified were notified. In one house where too deaths were due to & filetheire, the last case in it was one of I carlet bever I man then house here right persons successively to feed on Scales bevery the lustcase i it suded i Engerpelus. .. Only a single death is due (58 carrhoea . Pheumatic beace it its Segueloe (Endoundlis & Paciendsted caused three doubtes, I flinge occasimed 23 deaths withits fulmoney complications, Larguyonius stri delus has me death. Inquies cause eight deaths, Childbiet with its Conse Junences (most necessary was) produced fine deaths - two hair succeded by In flueya with neumonia, me due to Puerperallorumlains, me to Consequential Meningitio, as are telletitis with Lyncope. Premature (rith woodving in its train Congenitat & solit, Inantion, I ruperfe Abevelopment, Marasons, occasional 18 deaths on more than 15 18 the whole . One on I died of beredding Syphilis ... If asked whileans the medicul characteristing kejem, the answer would be to spidenie prevalence of influença, a) the entire absence of & cawhoea. There maining deaths maybe passed oner. \$3. Movement of Specific Diseases.

There were notified of which they are 328 consent infactions treased, vij 4

A small-five, 276 % wealth fever, 17 of hiphtherie, me of Membranes Crown to Mathematical Court of Englishers. We observed a class to surmous foregonderance; "carled I were consist. I have a consist wemanked upon the close relationship which obtains between learlest bower and Engriphes. If we beached these together we got a litely 300 cases, leaving but a small residence, or ke remainder. I will redo be now as any to have upon observe times on each of these causes. I will redo be now as any inference of the saintary Condition would be Revished a live of the saintary Condition would be the Parishes a live and to small of the single of the saintary Condition would be the Parishes a live of the bound of the saintary Condition when the Parishes a live of the bound of the saintary Condition would be the Parishes a live of the bound of the saintary Condition when the live is saintary conditions to the parishes a live of the bound of the saintary conditions to the parishes a live of the bound of the saintary conditions to the saintary conditi

undit te 11 of bleamber that we had our herst case. This was in alad As was of from tie to a blackamith living at Kings wood where he tracese was fiercely raging at the line. In te 11 th - he returned this bathers house at Chew llagner with the disease fully but when him. In this expect that betravelled by train, by raid andly fly to his fathers house . Behad in Abeen anywhere to his Wantedge) where I mall - home loss present, but many poisons had had it and dead . be stated his own master had been very ill a week before he limse Marled . It is, Here Inc, luftly furballe temaster had a bouch of the breeze in whom he apprentices both it, Whilst athomse he was mursed by him own surther who herself took the disease for him. This, I consider, was due to how Consessable to unne Cessary delay is being revacainated; and 2° To not being sufficients in the open air to dilute and carry of the horion of in the clothes and person. Is other and lad resourced and to disease distriber land beyond the precincts of this particular liones. The rest croup of Cases occurredat Farington furney, a village 12 miles from Brista. In Vecember 29 to Ireceived a notification stating with a grang, that there two cases in one family. browns a young man (a cother) who was suffer higher a modified attack; the street was his unthe with a very severe Confluent one on in giving I learned that the father of this young man had himself had what purported the a mild attack of the same disease about four iecets previously. Nove of these parties had been away for I me, and no visitors had been received from Knott or classifica How then came the draine Stre interred into this household? On the 20 to of November previous a young man named dumber, a drover by trade, was a divitted with the Shepton Mallet Infactions diacine Asspir tal duffering from Insall-from This man slept at a small I me the might before his advission into bothetel, in the adjoining Barish of Paullin lis he was received into hospital on the 20 h he must have passed through Forming the on his way to & hepton, as this is the driest round lotte latter places on his way to Shepter he slaged at the Farright perepresumen where he met the father of the above household. Here them was the Source of infection. Overve the dates: Nov 20 necession it shepten Mallet Boshitel: in 19 th sleftont Paulton; on 20 - otopbed at Fairing. tru Jum. In Dear 1 to 22 to father first Cutherill, leaving a period

1) about 10-12 as he period of incubation . Of course thefrather infected but the And and his wife, for both these caled on the le of dame day, vig on the 22 mi The father and sur having mercy mil of modified attacks of the brokense 1 th recorded, whereas he infortunte wife whose are was a confluent one with score lungeraplication, died in the 31st, He was widenty very anoceptible undeed the Varistons poisin for she had had the chaease once before; and whit is insophicate, the self-dame source of infestion, produced i her a most ovulent poson. Not another case occurred in This Parish . We nowhere the seale bouse: 276 cases were motified; This chis Encocoured in an chi demie fum at Cainerey (Temple Cloud), Clitton, Paulton, Tumbury, Camerton, and Hanton Drew. Vahane deen that hearles feren accasioned 14 deaths Ni his equivalent & 5/ercent 1/to notified cases and /20 the Ital doubter. In consequence of the wide spread of this disease, it was deemed hundant to close arms of treelementary Schools: here were Temple Cloud, Clutton, his at Paulton. Diphtheria lead 17 cases intered; here cases accure dat Cher Magna, bigh hittleton, Paulton Carneley, and Publow. Eight oftene occurredat Cheir Magna, and four at Publow, making how - this of the lotal cases, There can be no doubt there has theor for some (ine had cases of infe die some throads inthat medienlattend ance. The first death the occursed was in a youngful George Red living at tournte. Rill withherfacents - a hamlet about one mile from the wellage of Chew. This Child had been nowhere away from home, nor had any workers alled at he home tracker - although it was a publichouse - Lancone person. The child did not attend the School at Chen, but a going person, aprisoness at that school, went to Kuntle to leach her. This young men had a very bad throat at the time she went to leach her pupil: The pupil in him book the infection Materies it was . Is I events for the wed this, for the child derechiped whitewas celled "Membraums Languigitio from which she died in the 26 - of Sept, after a weeks illness. a woman hong Opposite moved this Child and writed upmber in her hast days; she had a senere attack of gen come & iphtheria. another lettlegich living on few dwars above culled trace her just before her death; she too, had a very bad throat, but no me attende. her suedically. This girl afterwards attended the bout debrol ut Chen

and was prodult a source of infection to all who attended this school, for after His we find cases breaking on been and there in the village of Chew. In Cheritaly there were servey cases with three deaths (willing this case of the when mor ranges one). The Table A shows two deaths as vecuring at Publow, another Parish three miles of. bothere were fatal cases and accounted the same house and family, me of the boys of this family was i the habit of carrying nowohaharo be Jule from Penoford to, amongst Ster places, Chew. In his round he was to Call of one cottage whit were accurried by a woman sho mursed a barriet him next down but one to her, of I ightheria; The was a difference, and her stuffform, which she never changed, must have been salutated with The exceeting of those persons she allanded to This boy comments duriet conlast with this woman in delivering her her copy of the haper. This was the only thurwer somece of infection for which he could possibly have been affected, be holk to disease, and in him affected his sisters and butter, he himse if che'd and me oftesisters which are the two deaths in question, and the boy, living a few doors above, used to accompany him is his rounds also selling newspapers, be also work the trience and communicaled it to his brether, but all trese recovered. At faulton there was bu-(at cases in one house. The first ofthe two cases was sufficient to have been occasioned by the by having bather in a very filthy post and drank some Of the foul water. His butter took the traine from him, both died, He Pring in the rear ofthe Cottage was in a very Afensive attage Condition, and smell abomin ably. Were these really cases of & iphtheria? Therehad been an epidemie of Scarlet fever at Paulton for some time before; and, it also happened that one more case broke out i the same house cefter these fatal ones and this was retified as Scoulekeever. The far til case of & iphtheria occurred at kip hittleton of with nothing is known. The case of illem hours Crock (orly neacoured) has already been disposed of in the introductory remarks to Tiphtheria. Puerperalbever, 'wi cases were notified ofthis farmidable chains, one ofther being at "a ilium Workhouse, and a in Clutter toef. There occurred i Ite juactice of the same medical man. There are born cases of Enterio Lever; nothing is hum the origin of the cases; only, it is little instead that we had furtition, arente untention, allied diseases) in the selfs ar

Barishas in which the farmer account ; he healty was general source of activity but here al-dominal affections. Last ; there were 24 cases of Enginedad; this is a large number. It is probable many of these cases were perms of Scarlet bever, by me have already seen how often medecamed the substituted for the Men! in the same house and farme,

The following was the disciolence of infections discourse arranged when the telent of fragmency in the several registration sub-districts:

1st Chew Magra, Population, 3661; notified cases 41.

2nd Mi donner Norton; Poulation 3460; motified cuses 43.

By Clutton: Population 6610; whited cuses 192.

N. B. In Table B. the ages of the molified cases are unfinen because in two case loss the medical attendant specify age.

54. Meteorology.

The Materiany of the year 1498 is Amendrat remarkable; a mild winter was succeeded by a hor and dry spring and summer, which, in it turn was Jollwood by a warm and very let continue . Jet the year was remarkable for the great amount of disease of the restricting organs which previoled, chiefly Ja specific metice. Sevent deaths are recorded under this head alone ma-Virig rather more onequarter of the deaths funall Causes. Influença Contri buted lugely to this head. During be few there was apeneral enpectation of the adoent of Cholora; and preparations were made on un Islantive soule to meet it. Tot the past history of Influença and Chorera both show that Influença always pre Cedes Chilera, never Chilera, it. Mureneer the Curochecuses are never synchro mons in Operation, but one is autecedent, the The consequent always . as, New, Influence was already in hossessin it was contrary totall precedent to supert Chilera too, the two chesises never consting by the ite same place. I, for one, nover expected Children would come as anchiderine, because it was Contrary the natural history of the orosence to do so, andalthings much board goes made of stamping it out wheresower it planted italf, here is no evidence whatever that had it beauleft to tette its usual course, it would have done than produce a pew operadie Can Des, because the season of Chrona was into yet. Undoubtett it is he of the prepared he comy eventuality by timely and well andered preparation, and this was accordingly done. All this, notwithstanding,

we ourselves were under no alarm or abprehensin having bull faith in the leachings of Influence and Cholera for the last hundred geno. Conse there foreward of Cholera is & iarchoea; how do we stand about this? Just one death devening the whole year, and this of an infaul 6 months old testine less & carrier me werehad. This carloing did not forebode Cholera. The chidenie Constitution "The gear headicaters as plant as ampting possibly could better was not a Cholera fear for Expland; and events have an elusive or other medicaters.

Journal, and events have an almove of obour the accuracy of this view,

No new works of Sawarage or Water Supply were inaugurated - one distriet, The season was an exceptionally dry one; and although much inconven mence was orheneised in contain Parishes from went of water, yet a suffic Cient supply was somehow Obtained, and no harm to the public healt occurred. from this scarcity, Indirect, to severs and drains were hable to become a musance from insufficiency of water toplush them; but, no injury cerose thereby. Informer annual reports we have howted out the difficult of procuring adequate supplies of pure and whiles mewan Les for certain contributory places. This difficult still exists. So with regard to some construction, repairs, and the disposal of sewage. Then again as to Houses, here would be excessive I cause but be the fact that rural bluces are being slowly depopulated. Sence the supply is about equal little demand. but the qualit is not good, as most of the colleges are Adamdoninous. Now houses are gradually opining up, especially in places where fromlutin is increasing as at Paulton where the factory engages a large mucher of hands, and i the neighbourhood of coul mines. The Older houses are being slowly repaired and made ince habitable. The Lousing of the Working Classes act is a very difficult and cumbrons matter in Aural districto, as here is an afflux rather them are influs of the people this Infficulty is tomeshab Kept within bounds. Thould the Opposite condition of things happen the matter would be serious indeed. We must hasten slowly and be the Kiful fur small mercias. a nopeolino; these were systematically carried out, but chiefly with reference to special reguramento. Thus, e.g. kardensina prevalance of Scan let fever, & thetheria, Small-pose, and Enteria fever necessarif engaged a

large amoint of allertin. Pariotes so fortunte as The free from infections dis case, as a matter of pendence had less altention. This could motwell be ther wise . Slaughtentines, Kallehouses, and airies had special attention directed to there. Scarlet peros being so entensively brevalent, and some ofthe cuses accordinging farm houses, it became a malter of urgancy to look the dairy arrangements with a view to protecting the milk from infection. In no case did we find the dairy the compromised. The dairies in Somerast are proverbial for their clean liness and good arder; and although many ofthe farmhouses and del and dilatricated Jet the dairies are always found clean and wholes ourely Kept. No doubt, here and there, there is room for informement, but with every drawlack, no case has ansing infections disease has been perforgated through the instrumentality of dairies, a very good custom Vlains with some farms never to bring the days milking into the dwelling house; hence, when I caulet a congother bever breaks in the latities out in such an establishment, it is mot all likely the milk supply provided by the will supply provided by the will supply the supply th ded to minutes take no part in either milking on in preparing with brokale. There is me buctury in techstuit attracted at Paulton; as before state I thing is engazed in the book and shoetrade . I wring the gean the Horne Secretary required a list The made and heft of "out-workers" in certain specified trades accountingly, it became apart of our duft to so into this matter. The Businesses Scheduled in the order of the 31st of october, 1892, came carcely be said to said inthe district, except it it be in the manufacture factitles of wevering appeal ... Casa must important part of public dyrene, the mality after water used for domestic commention stant high . We have always made it a point of duty of examining from trine to time the quitt the water so used, especially in suspected cases. I make it a rule always to Ixanima the particular supply in every case of Enteringener, Sight their, and Cer lain cuses of Enysipelas from recent proceedings I pear this practice is like of toreceine a check, as the Samilary authorit has instructed the Inspector of Nursinces to Collect samples whenevere. he thinks meessary, and to feward same to make analysis. As this is left to the more opinion and discretion of a single herom, I fear I am not like to be but dened inthe much work on this deare. as, more over, he may be swaged & Ther influences than those arising from his hunte judgment, it is to be expected that he new mode of brocedure will make a striking success-nay rather but it may prove a deliment- the samling well-being of the distant. However, we must writ for time for its development.

This is what may be termed & acrificing toteachings of science to mere schediery. Infections decese"; when any breaks out in a house the first question naturally arisuifis- "Am shall it he treated"? Inte mysint of cases - perhaps in every trace - the removal of the healthy from the infected would meet be case. Unfartituality, it is not always casy to fulfil this condition. In Infection & saises throfital would not ale very meet the case, now is it the panacea owne suthernals in aguire it to the, I wan Nalchistrate and a structure would be show by for more than help a Jean, in vidinary years; and i to stachalf would be useless to the remoter parts of the district. Did the Samilary acts provide for the removal, homoring, and maintenance of non-infected members of a hornelade, the case would be completely met. But the acts do not bewide, specifically be onch cases. What is really wanted is the provision fatured for maintaining the parting the family sent away, Ther hante Pour laws, For wont of one har fund we cannot adequated Copie with infection desease in the manner we otherwise thould . Disinfection; when infections draine has terminated - a house or family comes the question of chairs fecting pools and premies. This, again, is obtain a difficult malter berette Infections & isense (Presentin) act, 1890, pries the horner of perioding for tetrantenance of the family removed from their home be the hurpose of more readily disnibedting to premies . From he extreme scarcity of house a commodute it is ment touis. possible to seeme gracuises for this perpose. I for similar provision were much for maintaining a family for hurposes of "indution" as well as be "disimberting 4 all would be Alaried that is required . . Orecerous; no case was bringlet formand regiming intervention. The "Votabiantin" act, 1669, came into obecution in the beginning of the tear log 2. This lich fines a great deal of work to the madrice Officer is regard to schools - Their Closure, and the attendance of scholars who may be absent macant of infections disease. . Work was very black during a great hore him The flar, inte summer from the bailone ofthe hay crops, and in the an humm for the coul strikes, This being essentiall a dairy district, and above a Couldistrict - Kese clemotree necessarily very servis. Newer theless, al though shortness and slackness of wack meant private todomeentent, let the of the administration of the Pose law and philanthe triengency all wontered was met, and we soil enough I The publishealth. Inch is a brief have not retrogressed. We have about held one own. Jam, I downing 10 to, 1894. Gentlemen, Twin obedient Sevent - George Wilson-

Joneset classified according to DISEASES, AGES, and LOCALITIES.																														
	MORTALITY PROM ALL CAUSES, AT SUBJOINED AGES,							MORTALITY FROM SUBJOINED CAUSES, DISTINGUISHING DEATHS OF CHILDREN UNDER FIVE YEARS OF AGE.																						
NAMES OF LOCALITIES adopted for the purposes of these Statistics; public			1	5	1 15	1 02	1 60		1 -	2	3	4	5	6	1 7	8	9	10	11	12	13	14	1 15	I 16	YEARS	OF AGE.	1 19	20	01	11 00
institutions being shown as separate localities. (See note 4 on back of sheet),	At all	Under	DillCl		and	and	60 and		×	18,	rie .	sta			FEVER	S.			67			- 3	0			-				22
(Columns for Population and Births are in Table B.)	ages.	year.	under 5	lō.	under 25.	60.	wards		allpo	latin	the	oup.	us,	eric	pano	guis	erni	lera	pela	sles.	pinig	chœs id itery	nati er.	ue.	ilisis.	hitts, onia, urisy	art 18e.	ies,	ther ses.	
(a)	(b)	(c)	(d)	(c)	(0)	(9)	(h)	(i).	Sma	Scarla	Diphtheria	Membranot Croup,	Typhus	Enteric or Typhoid	Contin	Relapsin	Puerperal	Choler	Erysipela	Measles.	Whooping Cough.	Diarrh and Dysent	Rheumat Fever.	Ague.	Phthisis.	Bronchitts, Pucumonia, and Fleurisy,	Heart Disease,	Injuries.	All Other Diseases.	Тотлі
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